ONR's Role

Ensure that the Naval forces have the technical advantage in any conflict and to ensure against technical surprise

- – Direct support of relevant science and technology
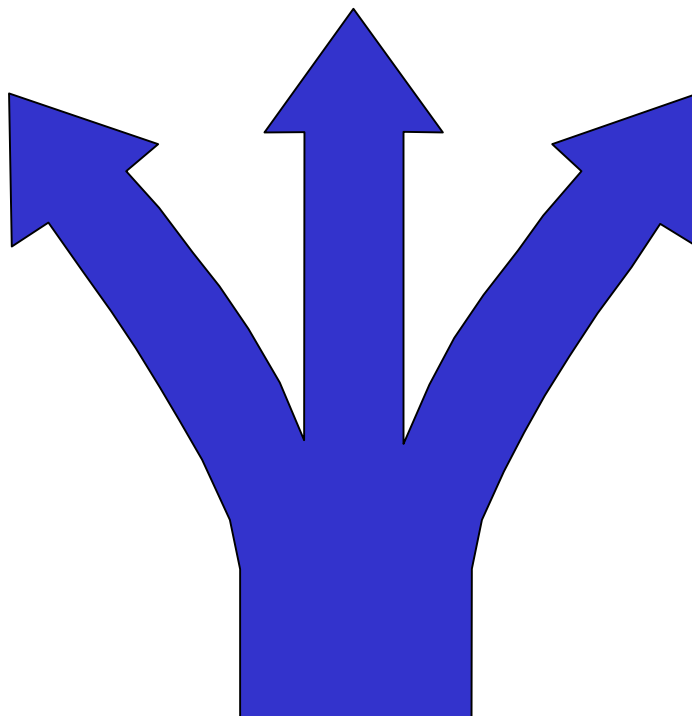- – Awareness of science and technology available from other agencies, industry, foreign, etc.

A "Trident" Strategy for S&T Investment

Pursue Current and Emerging State-of-the-Shelf and State-of-the-Art Technologies That Can Enhance Mission and Functional Capabilities in the Domain-Centric, and Network-Centric Environments: D&I Program

Address Near Term Enhancements in Specific Mission and Function Areas: FNCs, Implementation of Mature State-of-the-Shelf Capabilities

Address the Limitations in Key Enablers of NCW That Will Require a Concerted Naval Investment: D&I Program

MAJOR IMPACT TECHNOLOGIES FOR FORCENET

- Increased speed and precision of decision making
  - Automated integration of disparate sensors and sources of information
  - Integration and presentation of information to humans for maximum rate of comprehension and optimal utilization
  - Automated Image Understanding
- Multifunction/multiband/multibeam apertures – enables robust, multi-routing capability
- Underwater networks
- Information Assurance
- Mission-focused network Quality of Service
- Flexible command structure
- Low-power, high capability computer/communications technology - Nano/bio-electronics